

Cloning and Characterization of a C  
entors: Ellis L. Reinherz, et al.

1 A

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AGTCCTCTCCGGGTGATGGCGGCGGGTCCCCGGATGTAGCCCTGGCGCAAGCATCTCT
TCTTTTTCCACCTCGCCTTCGCGGATTCCCAGCTTGAGAAACACCTCTTGCCCCGTC
1 ATGCCAAAGAGGAAAGTGCACCTCCAAGGCCTGGGAGATGAGGAGGATGAGGATGAAATC
M P K R K V T F Q G V G D E E D E D E I
61 ATTGTCCCCAAGAAGAAGCTGGTGGACCCCTGTGGCTGGTCAGGGGGCTGGAGCCGC
I V P K K K L V D P V A G S G G P G S R
121 TTTAAAGCAAACACTCTTGGATAGCGATGAGGAGGATGATGATGATGGGGGTCC
F K G K H S L D S D E E D D D D G G S
181 AGCAAATATGACATCTTGGCTCAGAGGATGAGAAGGTCAAGGAGGCCACACTCCCC
S K Y D I L A S E D V E G Q E A A T L P
241 AGCGAGGGGGGTGTTGGATCACACCCCTTAACCTGCAGGAGGAGATGGAGGAAGGCCAC
S E G G V R I T P F N L Q E E M E E G H
301 TTTGATGCCGATGGCAACTACTTCCTGAACCGGGATGCTCAGATCCGAGACAGCTGGCTG
F D A D G N Y F L N R D A Q I R D S W L
361 GACAACATTGACTGGTGAAGATCCGGAGCGGCCACCTGGCCAGGCCAGGCCTCAGAC
D N I D W V K I R E R P P G Q R Q A S D
421 TCGGAGGAGGAGGACAGCTGGCCAGACCTCAATGAGTGCCAAGCCCTCTGGAGGGA
S E E E D S L G Q T S M S A Q A L L E G
481 CTTTGAGCTCTATTGCCTAGAGAGACAGTGGCTGGGCACTGAGGCGTCTGGGGCC
L L E L L L P R E T V A G A L R R L G A
541 CGAGGAGGAGGCAAAGGGAGAAAGGGGCTGGCAACCCAGTTCCCTCAGGCCCTGGAC
R G G G K G R K G P G Q P S S P Q R L D
601 CGGCTCTCGGGTTGGCCGACCAGATGGTGGCCGGGCAACCTGGTGTACCAAGGAA
R L S G L A D Q M V A R G N L G V Y Q E
661 ACAAGGGAACGGTTGGCTATGCGTCTGAAGGGTTGGGTGTCAAGACCCCTAGGACCCCAC
T R E R L A M R L K G L G C Q T L G P H
721 AATCCCACACCCCAACCCCTGGACATGTTGCTGAGGAGTTGGGGAGGAACCTGGAT
N P T P P P S L D M F A E E L A E E E L
781 GAGACCCCAACCCCTACCCAGAGAGGAGAACAGAGTCGCGGGGAGATGGTCTGGTGGAT
E T P T P T Q R G E A E S R G D G L V D
841 GTGATGTGGAAATAAGTGGAGAACACGGGGATGCCAGCTGTATGGCCCTTCACC
V M W E Y K W E N T G D A E L Y G P F T
901 AGCGCCCAGATGCAGACCTGGGTGAGTGAAGGCTACTTCCGGACGGTGTATTGCCGG
S A Q M Q T W V S E G Y F P D G V Y C R
961 AAGCTGGACCCCCCTGGTGGTCAGTCTACAACTCCAAACGCATTGACTTTGACCTCTAC
K L D P P G G Q F Y N S K R I D F D L Y*
1021 ACCTGAGCCTGCTGGGGCCAGTTGGTGGCCCTTCTGGACTTTGTGGAGGAG
T
1081 GCACCAAGTGTCTCAGGCAGCGAGGAAATTGGAGGCCATTTCAGTCATTCCCTTC
1141 COAATAAAAGCCTTAGTTGTGTAAAAAAAAAAAAAAA

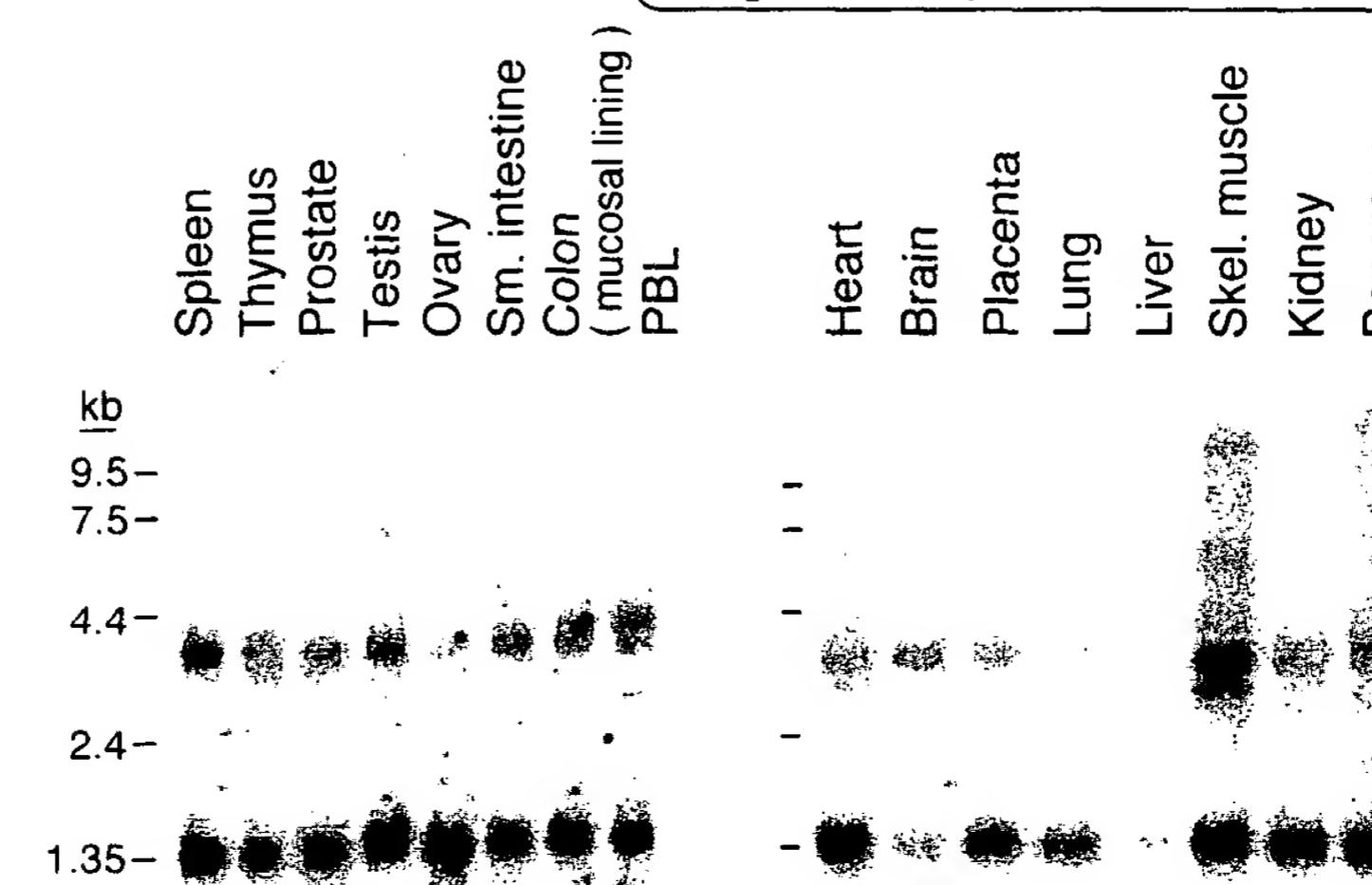
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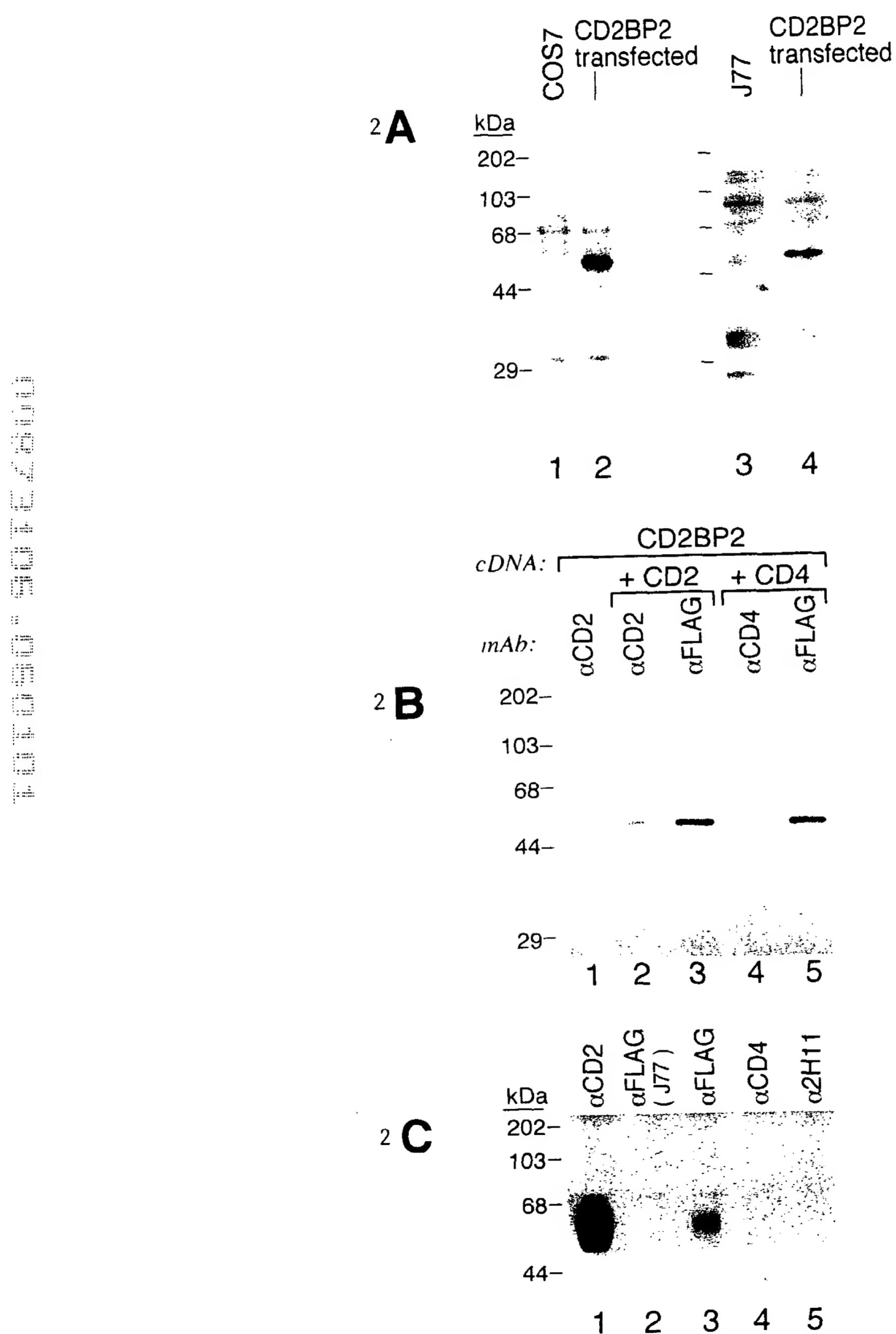
1 B

CD2BP2 291-317	G - D A E L Y G P F T S A Q M Q T W V S E G Y F P D G
<i>C. el.</i> (z81109)	G P D S E K Y G P Y M S K D M L F W L Q A G Y F N D G
<i>C. el.</i> (u23147)	D P T E T R R G P F P K D Q M N V W F K A G Y F T D E
<i>C. el.</i> (p34520)	D D R G T V Q G P Y G A S T V L D W Y Q K G Y F S D N
<i>S. ce.</i> (SMY2)	D T Q G Q I H G P F T T Q M M S Q W Y I G G Y F A S T
<i>S. ce.</i> (s61962)	D S N G N I Q G P F G T N N M S Q W Y Q G G Y F T P T

G P F	M	W	G Y F
Y	V		

1 C





	<u>Binding with CD2 tail</u>
CD2BP2	+++
CD2BP2 <sub>129-341</sub>	+++
CD2BP2 <sub>129-287</sub>	-
CD2BP2 <sub>129-254</sub>	-
CD2BP2 <sub>225-341</sub>	+++
CD2BP2 <sub>256-341</sub>	+++
CD2BP2 <sub>256-341Δ297-313</sub>	-
CD2BP2 <sub>256-341W307A</sub>	-
CD2BP2 <sub>256-341G311A</sub>	-
CD2BP2 <sub>256-341Y312A</sub>	-
CD2BP2 <sub>256-341F313A</sub>	-
CD2BP2 <sub>256-332</sub>	-
CD2BP2 <sub>256-338</sub>	++

FIG. 3A

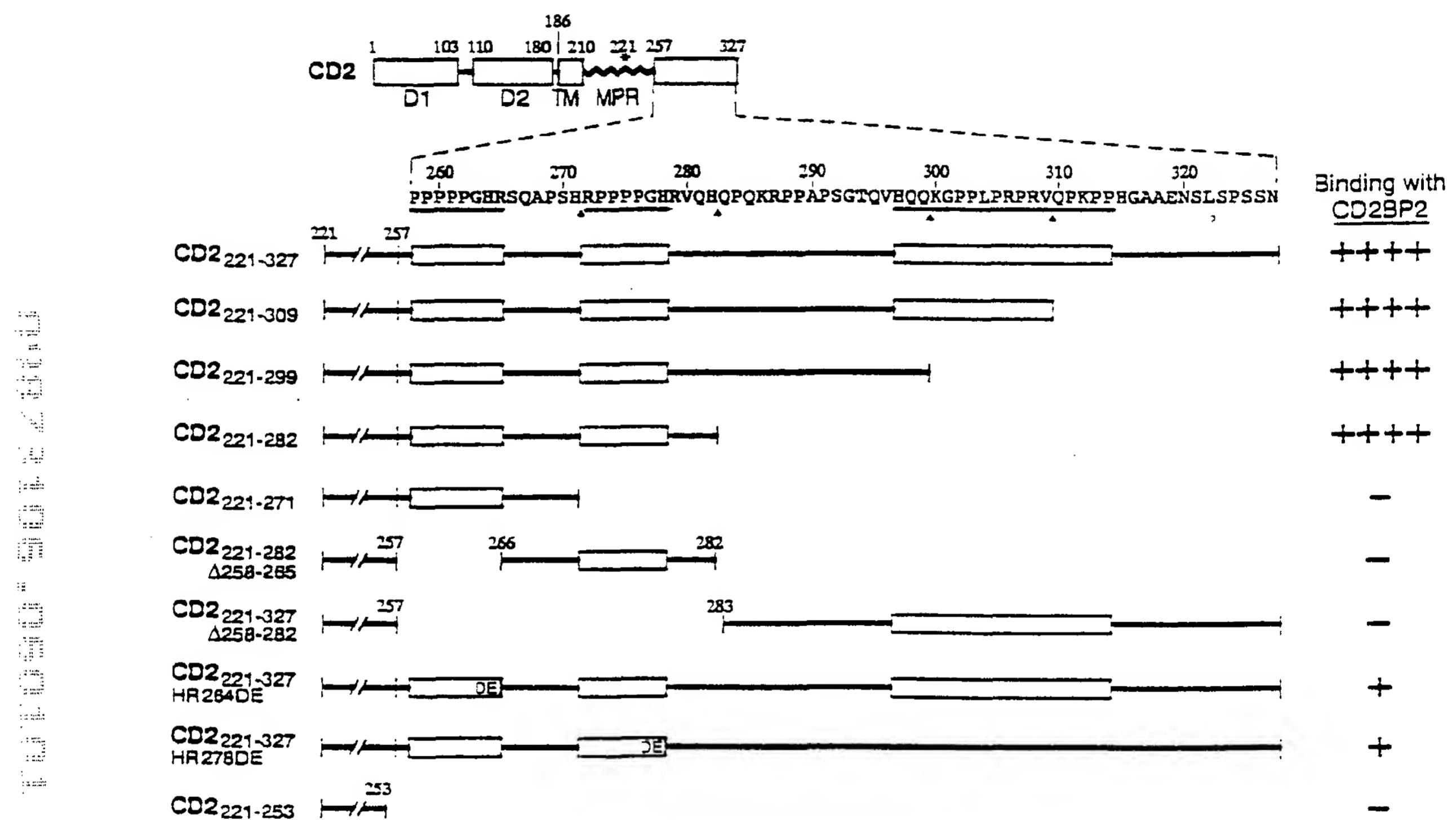
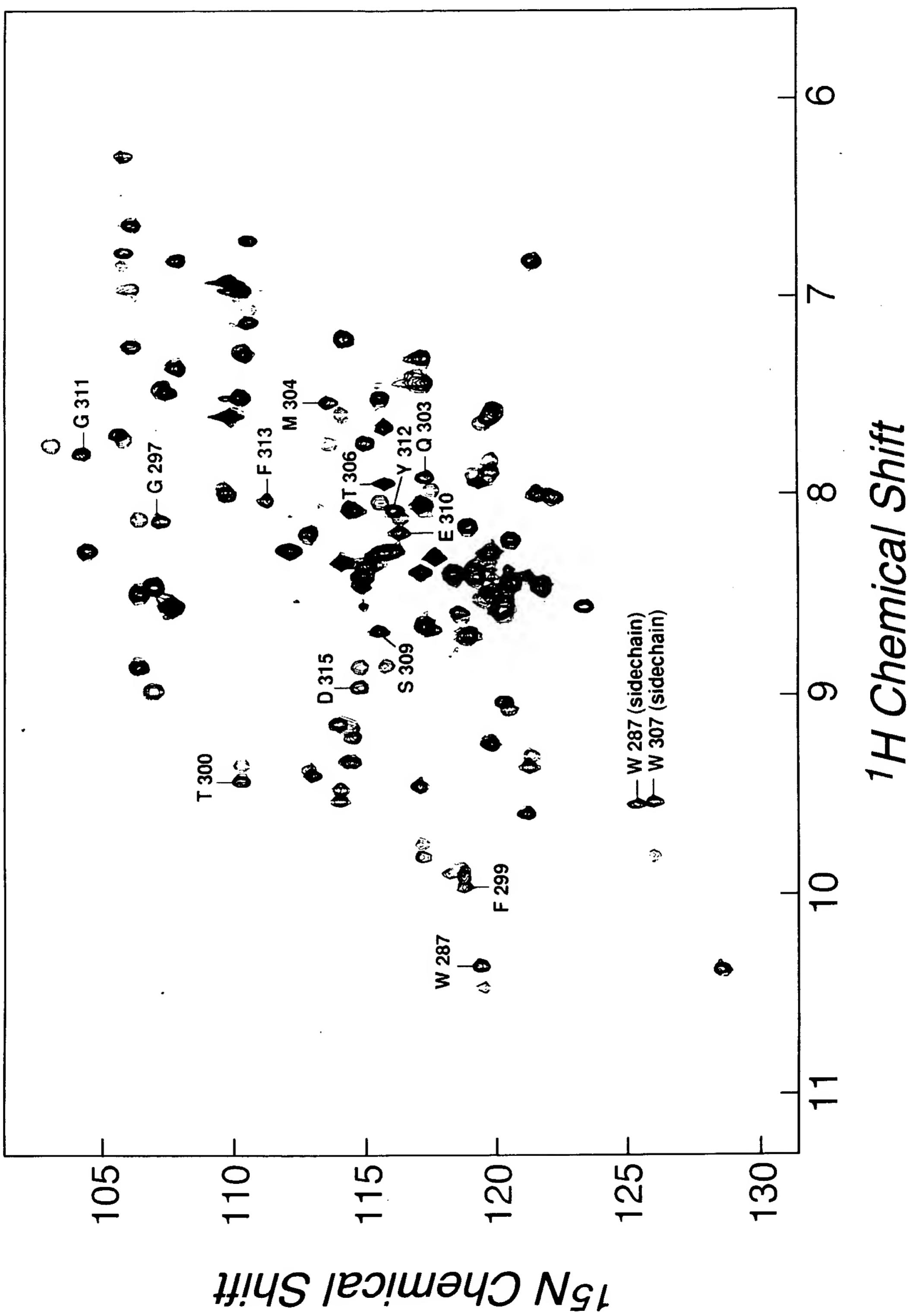


FIG. 3B

Fig. 4



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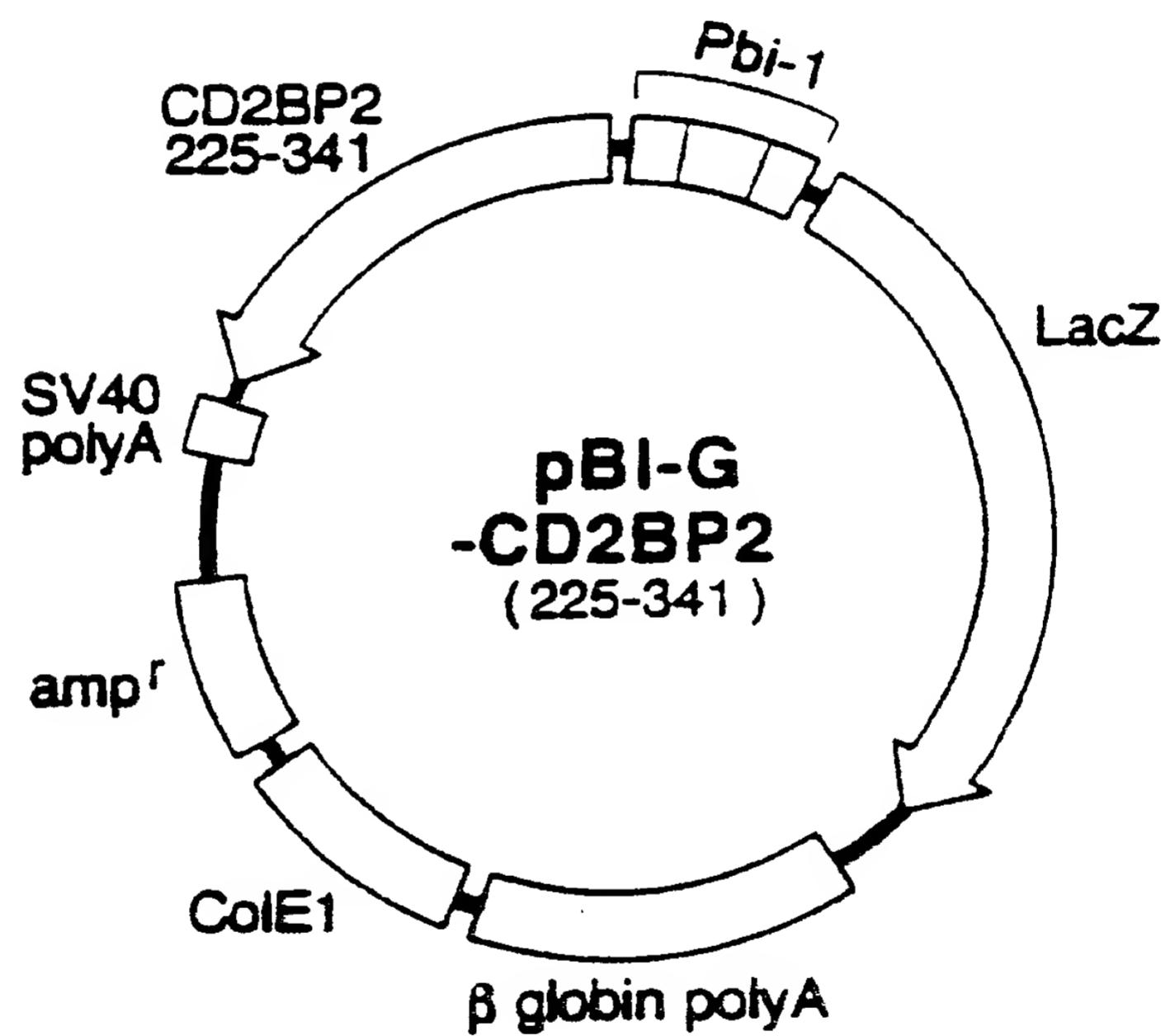


FIG. 5A

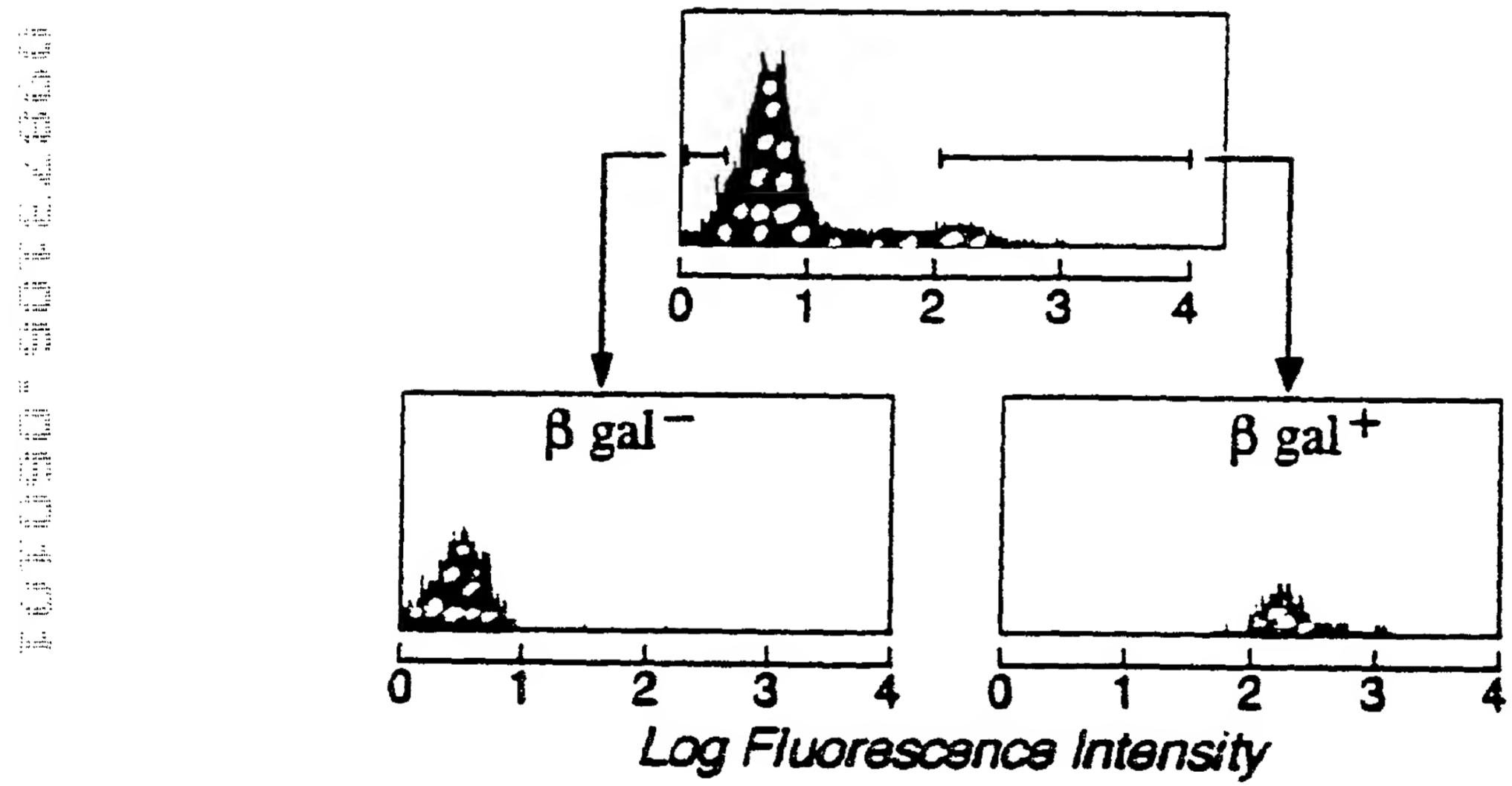


FIG. 5B

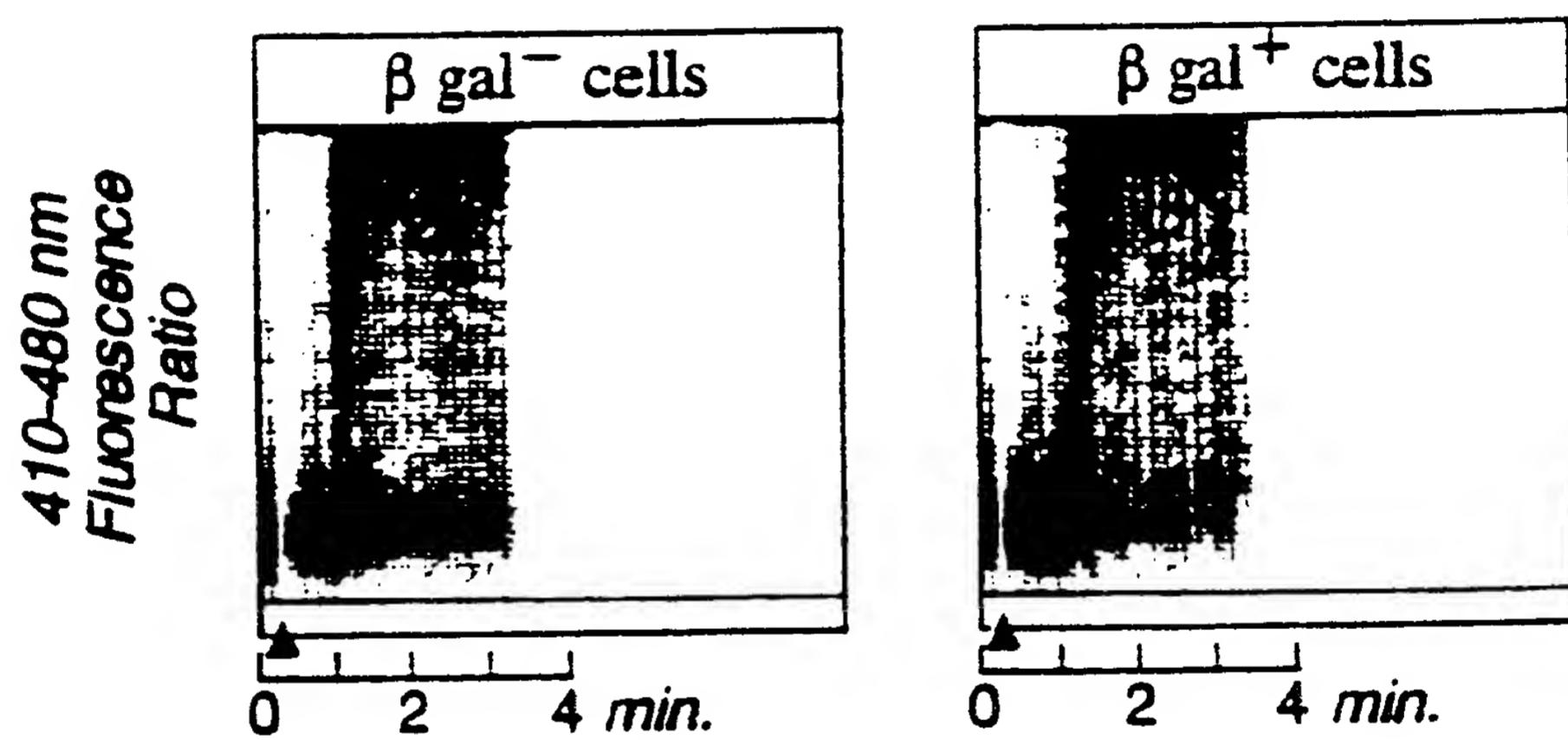


FIG. 5C

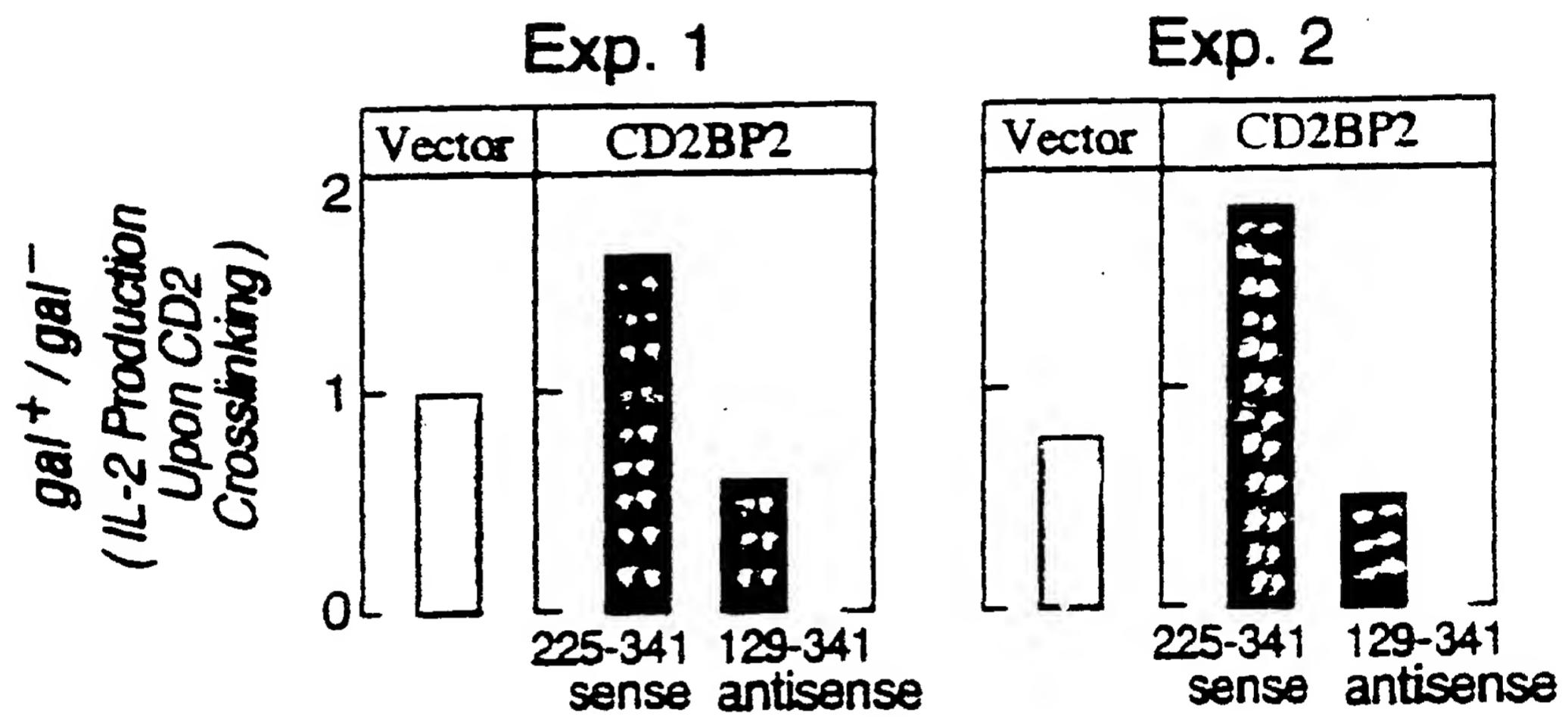


FIG. 5D

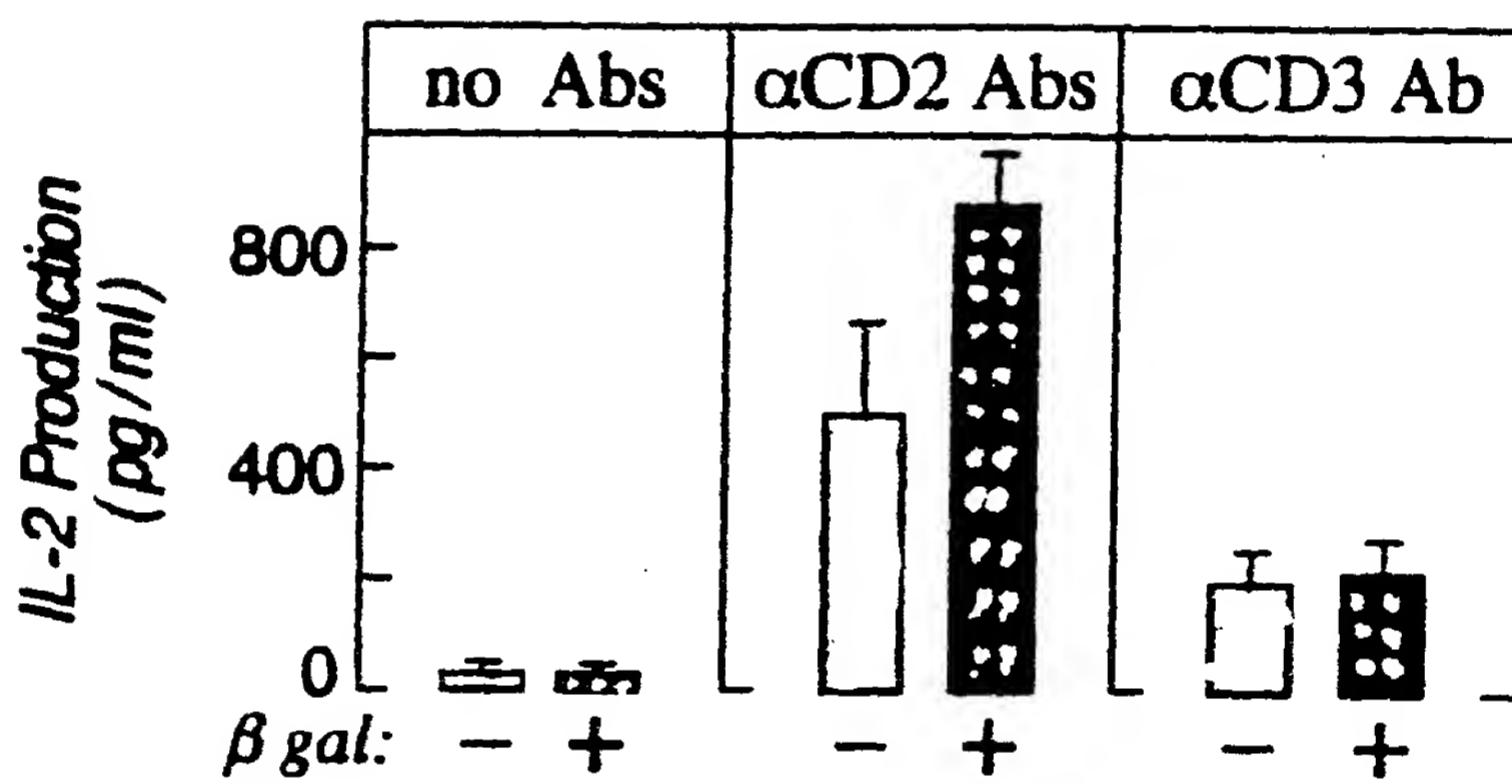


FIG. 5E

<sup>1</sup>H/<sup>15</sup>N-combined chemical shift change index

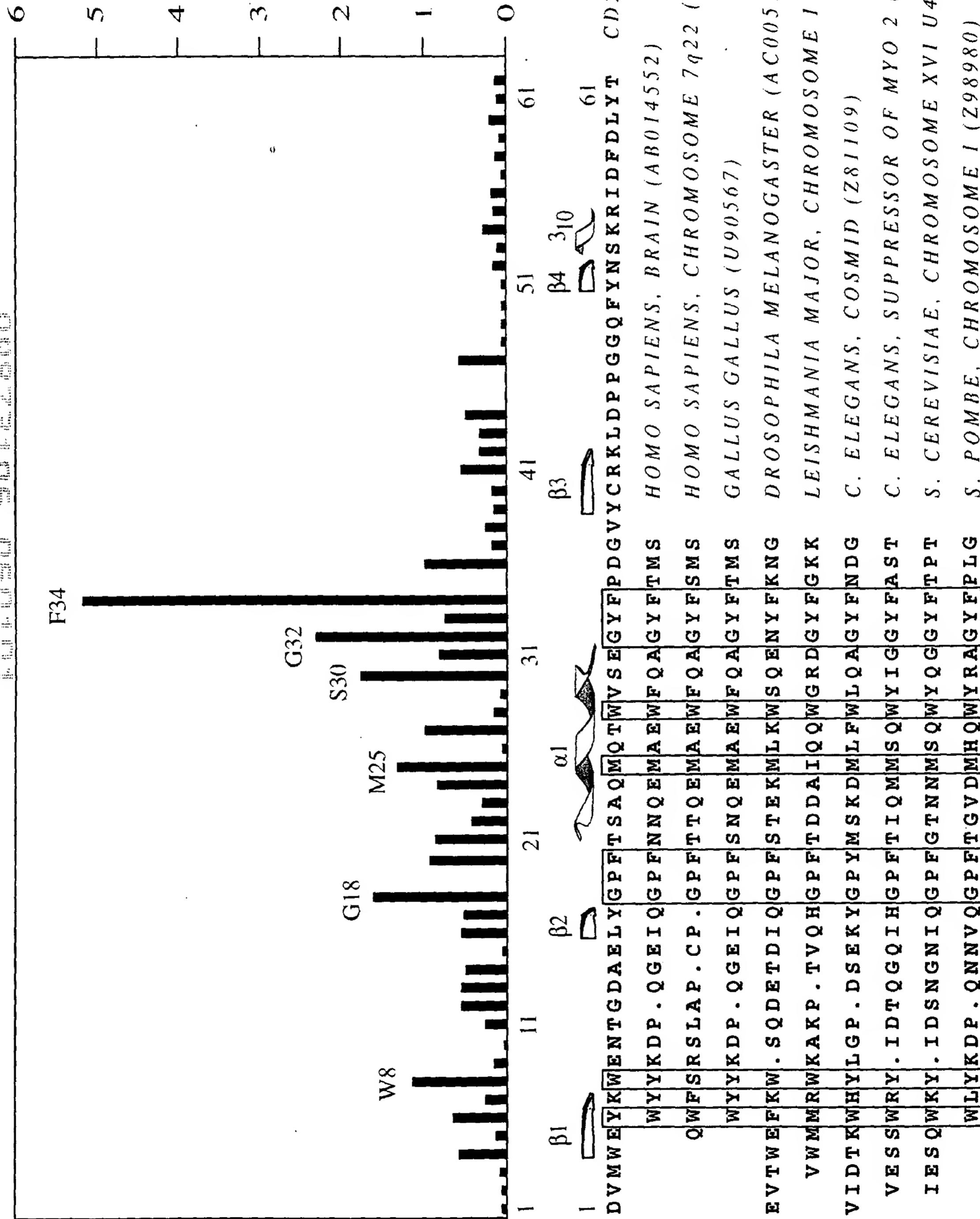


Fig. 6

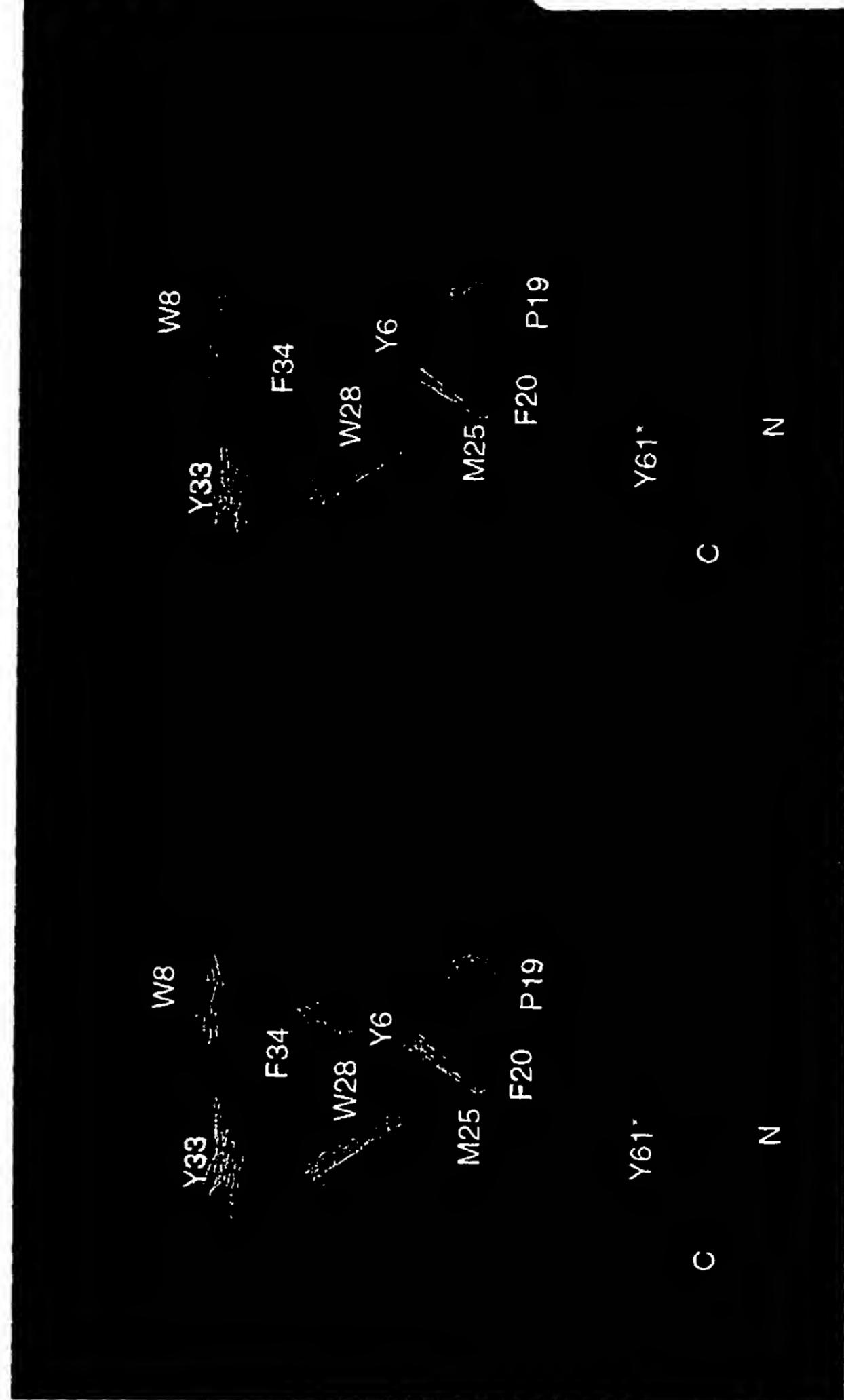


Fig. 7B

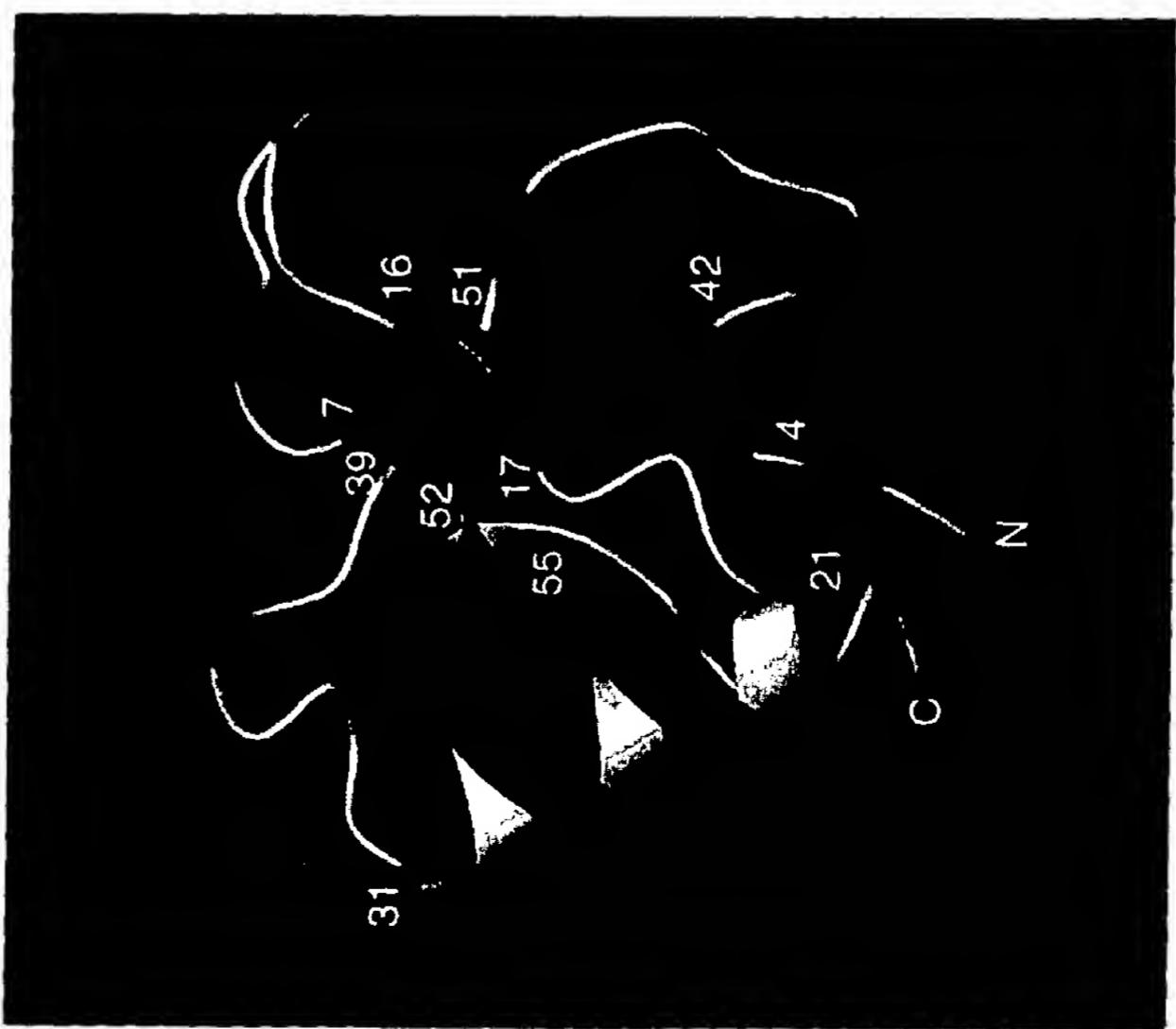


Fig. 7A

Patent Application  
Title: Cloning and Characterization of cDNA  
Inventors: Ellis L. Reinherz, et al.

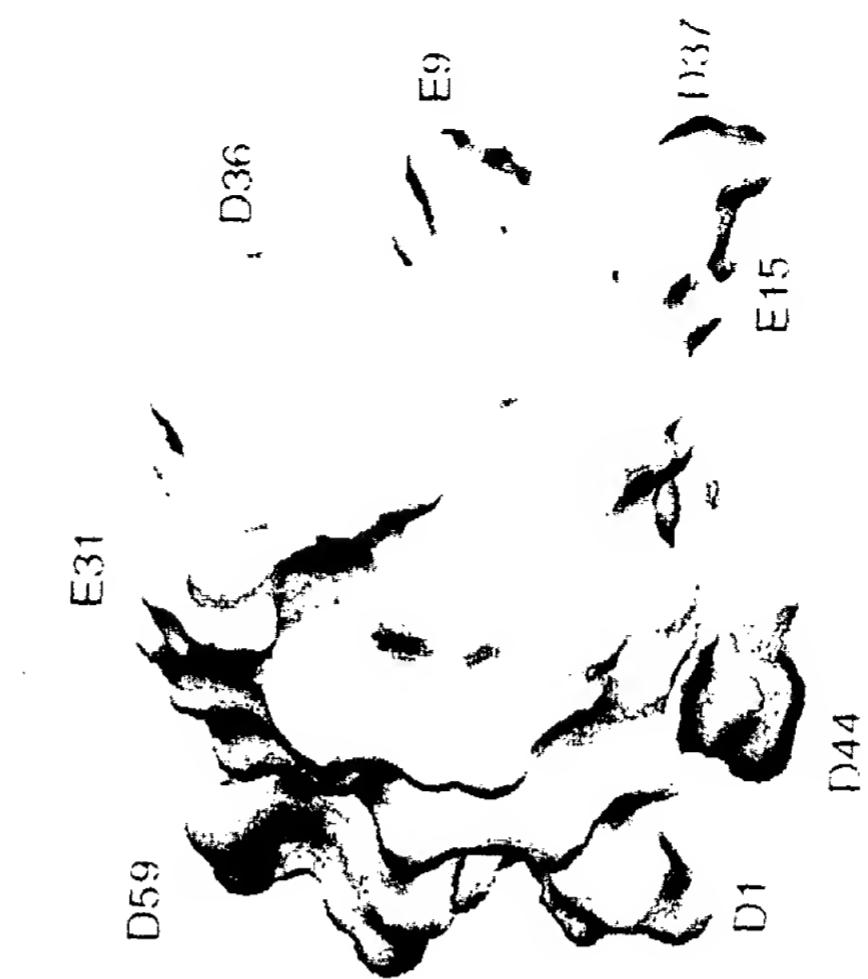


Fig. 8C

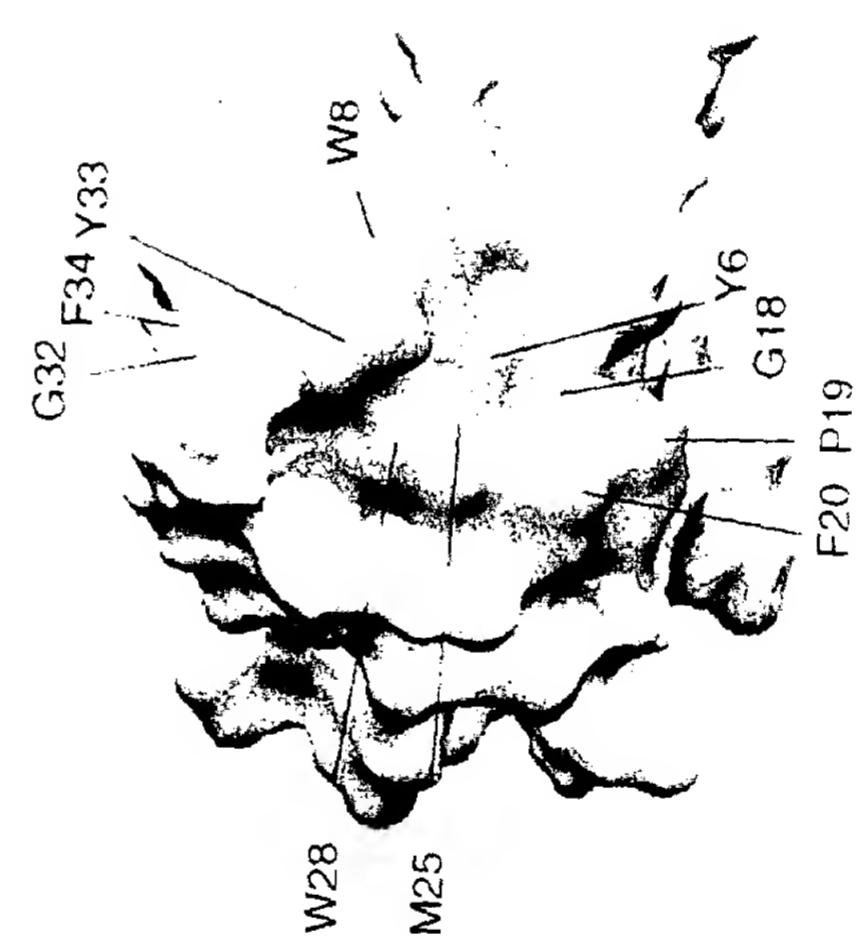


Fig. 8B

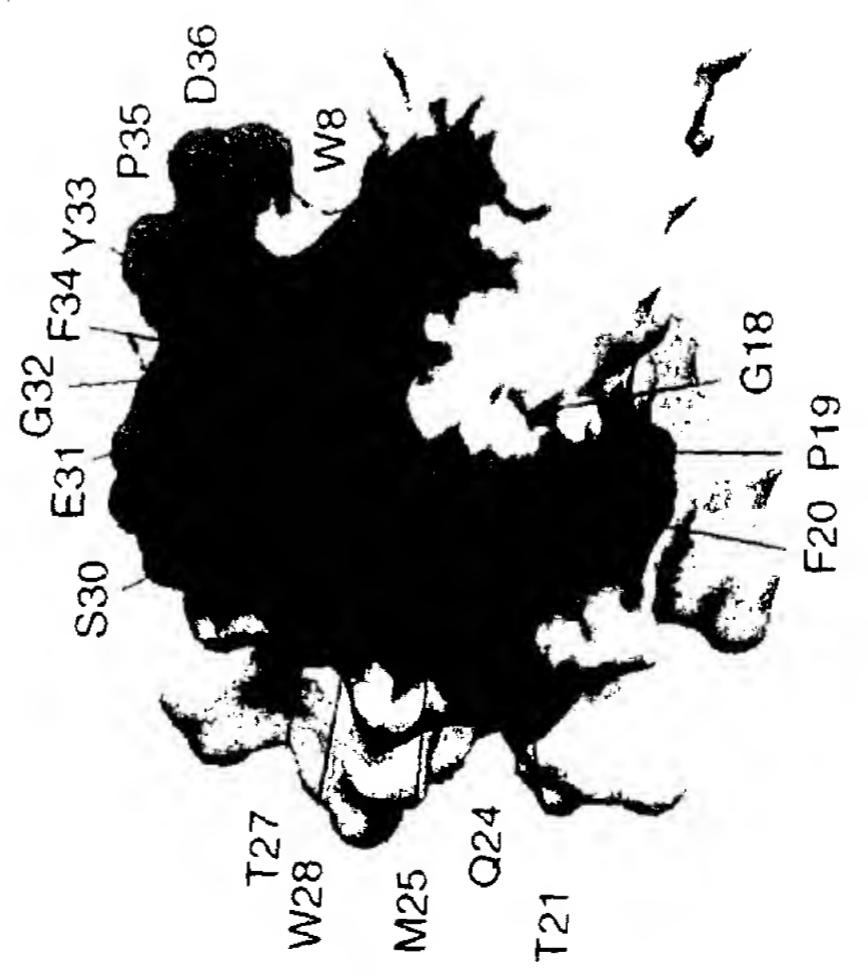


Fig. 8A